



<120> Process for the microbial production of amino acids by boosted activity of export carriers

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<140> PCT/DE96/02485

<141> 1996-12-18

<160> 3

<170> PatentIn Ver. 2.0

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<211> 2374

<212> DNA

<213> Corynebacterium glutamicum

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<213> Corynebacterium glutamicum

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 - Ser Arg Thr Gln Pro Ala Lys Ala Thr Glu Ala Gly Glu Val Leu Val 50 55 60
 - Gln Ala Ala Arg Lys Met Val Leu Leu Gln Ala Glu Thr Lys Ala Gln 65 70 75 80
 - Leu Ser Gly Arg Leu Ala Glu Ile Pro Leu Thr Ile Ala Ile Asn Ala 85 90 95
 - Asp Ser Leu Ser Thr Trp Phe Pro Pro Val Phe Asn Glu Val Ala Ser 100 105 110
 - Trp Gly Gly Ala Thr Leu Thr Leu Arg Leu Glu Asp Glu Ala His Thr
 115 120 125
 - Leu Ser Leu Leu Arg Arg Gly Asp Val Leu Gly Ala Val Thr Arg Glu 130 135 140
 - Ala Asn Pro Val Ala Gly Cys Glu Val Val Glu Leu Gly Thr Met Arg 145 150 155 160
 - His Leu Ala Ile Ala Thr Pro Ser Leu Arg Asp Ala Tyr Met Val Asp 165 170 175
 - Gly Lys Leu Asp Trp Ala Ala Met Pro Val Leu Arg Phe Gly Pro Lys 180 185 190
 - Asp Val Leu Gln Asp Arg Asp Leu Asp Gly Arg Val Asp Gly Pro Val 195 200 205
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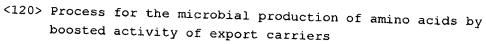
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<110> Marina Vrlijc et al., Forschungszentrum Julich GmbH





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<140> PCT/DE96/02485

<141> 1996-12-18

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Tyr Leu Leu Trp Phe Ala Val Met Ala Ala Lys Asp Ala Met Thr Asn 85 90 95

Lys Val Glu Ala Pro Gln Ile Ile Glu Glu Thr Glu Pro Thr Val Pro 100 105 110

Asp Asp Thr Pro Leu Gly Gly Ser Ala Val Ala Thr Asp Thr Arg Asn 115 120 125

Arg Val Arg Val Glu Val Ser Val Asp Lys Gln Arg Val Trp Val Lys 130 135 140

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Thr Gly Arg Trp Ile Phe Ala Ala Gly Ala Phe Ala Ala Ser Leu Ile 180 185 190

Trp Phe Pro Leu Val Gly Phe Gly Ala Ala Ala Leu Ser Arg Pro Leu 195 200 205

Ser Ser Pro Lys Val Trp Arg Trp Ile Asn Val Val Val Ala Val Val 210 220

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